

TREATMENT METHOD FOR IMPROVING FATIGUE LIFE AND
LONG-LIFE METAL MATERIAL TREATED BY USING SAME TREATMENT

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ABSTRACT OF THE DISCLOSURE

10 A novel treatment method, for improving fatigue
life, is provided that aims to resolve problems
associated with conventional treatment methods for
improving fatigue life of metal by reduction of stress
concentration and conventional treatment methods for
improving fatigue life of metal by introduction of
15 compressive stress, that is, problems of poor efficiency
in work execution, required level of skill of workers,
and the impossibility of quality control due to lack of
means for measuring the effect after treatment,
characterized in that, for locations in metal for which
20 fatigue is a problem, after pre-treatment is performed,
ultrasonic impact treatment is performed, and thereafter,
a quality assurance test is performed so as to improve
the fatigue life of the metal.